

Title (en)

DEVICE WITH A WALL DESIGNED TO TIGHTLY ENCLOSE A BODY PART

Title (de)

EINRICHTUNG MIT EINER ZUM ENGEN UMSCHLIESSEN EINES KÖRPERTEILS AUSGEBILDETEN WANDUNG

Title (fr)

DISPOSITIF ÉQUIPÉ D'UNE PAROI CONÇUE POUR ENVELOPPER ÉTROITEMENT UNE PARTIE DU CORPS

Publication

**EP 2734156 B1 20150722 (DE)**

Application

**EP 12711780 A 20120323**

Priority

- DE 102011108136 A 20110720
- EP 2012001281 W 20120323

Abstract (en)

[origin: WO2013010597A1] A device with a wall (6) designed to tightly enclose a body part is made of an electrically non-conductive material (9) and has a shape adapted to the body part or adapting thereto as a result of the elasticity of the wall, wherein an inner face (7) of the wall (6) comes to bear on the skin (14) of the body part, and the inner face (7) is provided with at least one electrically conductive portion (4) which, in order to transmit electrical signals from or to the skin (14) of the body part, is arranged all the way through the electrically non-conductive material (9) of the wall (6), permits reliable transmission of electrical signals with a simple design of the liner, by virtue of the fact the electrically conductive portion (4) is covered by the electrically non-conductive material (9) and is connected to at least one conductor (5, 5') passing through the electrically non-conductive material (9).

IPC 8 full level

**A61F 2/72** (2006.01); **A61F 2/78** (2006.01)

CPC (source: EP US)

**A61F 2/72** (2013.01 - EP US); **A61F 2/7812** (2013.01 - EP US); **A61N 1/0452** (2013.01 - US); **A61N 1/36003** (2013.01 - US); **A61F 2002/5056** (2013.01 - US); **A61F 2002/6827** (2013.01 - US); **A61F 2002/7818** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102011108136 A1 20130124**; **DE 102011108136 B4 20180719**; BR 112014001095 A2 20170214; CN 103702638 A 20140402; CN 103702638 B 20160120; EP 2734156 A1 20140528; EP 2734156 B1 20150722; EP 2987469 A2 20160224; EP 2987469 A3 20160608; EP 2987469 B1 20181226; EP 3492048 A1 20190605; EP 3492048 B1 20201028; RU 2014106298 A 20150827; US 10292841 B2 20190521; US 2014188251 A1 20140703; WO 2013010597 A1 20130124

DOCDB simple family (application)

**DE 102011108136 A 20110720**; BR 112014001095 A 20120323; CN 201280036009 A 20120323; EP 12711780 A 20120323; EP 15002132 A 20120323; EP 18215844 A 20120323; EP 2012001281 W 20120323; RU 2014106298 A 20120323; US 201214233624 A 20120323